

assigned to the other partition after the workload has decreased to a minimum threshold.

6-13 Canceled.

14. (Currently amended) A computer program product stored in a computer storage on a computer-readable medium for dynamically re-partitioning a partitioned computer system in response to workloads, each partition of the partitioned computer system having a plurality of resources and a minimum and a maximum percentage usage for each of the resources by each process being executed in each partition, the computer program product comprising:

code means for determining whether a workload on a resource in a partition exceeds a maximum threshold; and

code means for automatically allocating a similar resource to the partition if it is determined that the workload exceeds the maximum threshold, said automatically allocating code means includes code means for automatically varying the minimum and the maximum percentage usage of the resource by each process executing in the partition.

15. (Original) The computer program product of Claim 14 wherein the similar resource is a resource that has not been allocated to any partition.
16. (Original) The computer program product of Claim 15 wherein the similar resource is de-allocated from the partition after the workload has decreased to a minimum threshold.

1. (Previously Amended) A computer implemented method of dynamically re-partitioning a partitioned computer system in response to workloads, each partition of the partitioned computer system having a plurality of resources and a minimum and a maximum percentage usage for each of the resources by each process being executed in each partition, the computer implemented method comprising the steps of:

determining whether a workload on a resource in a partition exceeds a maximum threshold; and

automatically allocating a similar resource to the partition if it is determined that the workload exceeds the maximum threshold, said automatically allocating step includes the step of automatically varying the minimum and the maximum percentage usage of the resource by each process executing in the partition.

2. (Previously amended) The computer implemented method of Claim 1 wherein the similar resource is a resource that has not been allocated to any partition.
3. (Previously amended) The computer implemented method of Claim 2 wherein the similar resource is de-allocated from the partition after the workload has decreased to a minimum threshold.
4. (Previously amended) The computer implemented method of Claim 1 wherein the similar resource is one of a plurality of similar resources that are allocated to another partition having a workload within a particular threshold.
5. (Previously amended) The computer implemented method of Claim 4 wherein the similar resource is de-allocated from the partition and re-

17. (Original) The computer program product of Claim 14 wherein the similar resource is one of a plurality of similar resources that are allocated to another partition having a workload within a particular threshold.
18. (Original) The computer program product of Claim 17 wherein the similar resource is de-allocated from the partition and re-assigned to the other partition after the workload has decreased to a minimum threshold.
- 19-26 Canceled.
27. (Currently amended) An apparatus executing and ~~for~~ dynamically re-partitioning a partitioned computer system in response to workloads, each partition of the partitioned computer system having a plurality of resources and a minimum and a maximum percentage usage for each of the resources by each process being executed in each partition, the apparatus comprising:

means for determining whether a workload on a resource in a partition exceeds a maximum threshold; and

means for automatically allocating a similar resource to the partition if it is determined that the workload exceeds the maximum threshold, said automatically allocating means includes means for automatically varying the minimum and the maximum percentage usage of the resource by each process executing in the partition.
28. (Original) The apparatus of Claim 27 wherein the similar resource is a resource that has not been allocated to any partition.

29. (Original) The apparatus of Claim 28 wherein the similar resource is de-allocated from the partition after the workload has decreased to a minimum threshold.
30. (Original) The apparatus of Claim 27 wherein the similar resource is one of a plurality of similar resources that are allocated to another partition having a workload within a particular threshold.
31. (Original) The apparatus of Claim 30 wherein the similar resource is de-allocated from the partition and re-assigned to the other partition after the workload has decreased to a minimum threshold.
- 32-39 Canceled.
40. (Previously amended) A computer system that is partitioned and having code data for dynamically re-partitioning itself in response to workloads, each partition of the partitioned computer system having a plurality of resources and a minimum and a maximum percentage usage for each of the resources by each process being executed in each partition, the computer system comprising:

at least one storage device for storing the code data; and

at least one processor for processing the code data to determine whether a workload on a resource in a partition exceeds a maximum threshold, to automatically allocate a similar resource to the partition if it is determined that the workload exceeds the maximum and to automatically vary the minimum and the maximum percentage usage of the resource by each process executing in the partition.

41. (Original) The computer system of Claim 40 wherein the similar resource is a resource that has not been allocated to any partition.
42. (Original) The computer system of Claim 41 wherein the similar resource is de-allocated from the partition after the workload has decreased to a minimum threshold.
43. (Original) The computer system of Claim 40 wherein the similar resource is one of a plurality of similar resources that are allocated to another partition having a workload within a particular threshold.
44. (Original) The computer system of Claim 43 wherein the similar resource is de-allocated from the partition and re-assigned to the other partition after the workload has decreased to a minimum threshold.
- 45-52 Canceled.

Respectfully Submitted

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